A-dec Self-Contained Water System
Quick Start Guide

About Your A-dec Self-Contained Water System

The A-dec self-contained water system is designed to optimize the quality of your dental unit water. It allows you to control the quality of water expelled from dental handpieces and syringes by:

- Selecting a quality source for dental unit treatment water
- Performing asepsis and treatment of your waterlines with proper disinfectant
- Maintaining clean dental unit waterlines to prevent accumulation of contaminates

How the Water System Works

Air pressure forces the water from the bottle into the water pick-up tube and out to various water outputs such as the handpiece control block, syringe, and the cuspidor cup fill for A-dec 500. A-dec's self-contained water system is a closed system isolating your chosen treatment water from the municipal supply.

CAUTION: Use caution when using the self-contained water system with any dental units equipped with components that might fail when the water supply is interrupted. Some types of scalers and water heaters (except the A-dec low voltage inline water heater/heated syringe tubing) are examples of components that can be permanently damaged if operated without a continuous water source.

A-dec recommends not using saline solutions, mouth rinses, or any chemical solutions, not specified in this guide, in your A-dec self-contained water system. These may damage the water system components and cause the failure of your dental unit.

How to Choose Treatment Water

The correct water to use in your A-dec self-contained water system (for patient treatment) depends on the quality of water available from your municipal source and the goals you have for using the self-contained water system. It is important that whenever treatment water is specified for a procedure, that you are consistent in your water source quality.

About the Water Bottles

The A-dec self-contained water system has two water bottle sizes (0.7 Liter and 2 Liter). To prevent running out of water during mid-procedure, we recommend emptying and refilling the bottle with treatment water before running too low.

WARNING: Use only A-dec water bottles. Do not use other bottles, including glass, PET or PP beverage bottles. Do not use damaged bottles. They can pose a serious safety hazard if broken while pressurized. A-dec plastic water bottles cannot withstand heat sterilization. Attempting to do so will damage the bottle and your sterilizer.

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A-dec Waterline Maintenance
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A-dec's recommendation for waterline maintenance is based on daily use of the A-dec ICX™ water treatment tablet. ICX is specially formulated to help prevent contamination and maintain clean dental unit waterlines.

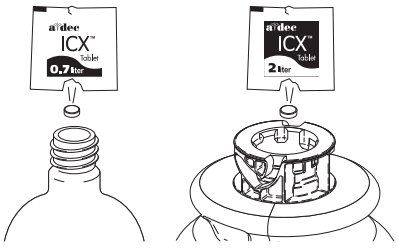
Before using A-dec ICX for the first time, test your water quality. If results indicate bacterial counts higher than your water quality goals, proceed to *Waterline Preparation*, otherwise begin daily use. Recommendations for dental unit water quality have been published by the American Dental Association (ADA) not to exceed 200 cfu/ml and the Center for Disease Control (CDC) not to exceed 500 cfu/ml. European Union Drinking Water Standards specify a maximum of 100 cfu/ml. Refer to your national regulatory authorities for recommendations specific to your local area.

Waterline Preparation

If test results indicate the water does not meet your water quality goals, prepare the dental unit water system for ICX using Sterilex Ultra®. A-dec recommends following only the initial startup instructions on Sterilex Ultra®. Then proceed with daily use of ICX to maintain dental unit waterline quality.

Daily Use of ICX

Step	Action
1	Before refilling bottle and at the start of every day, empty any remaining water left in the bottle.
2	Drop tablet into empty bottle. (To prevent contamination, avoid touching the tablet.)
3	Fill bottle with water, and connect to dental unit.
4	Wait 60 seconds for tablet to fully dissolve.



Size	Color
0.7 Liter	Teal
2 Liter	Blue

Monitoring Water Quality

Based on CDC recommendations,* test or monitor water bacterial counts **weekly** (or at other appropriate intervals based on established results). If results do not meet your water quality goals, repeat steps outlined for preparing your waterlines. Monitoring can be accomplished using in-office monitoring kits (e.g., Millipore HPC Sampler). If these are not practical, another option is to use a commercial water testing service. (*ref.: "Recommended Infection Control Practices for Dentistry 2003," CDC)

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A-dec Self-Contained Water System
Maintenance Record

Date of Service	Model/Description of Service	Technician's Initials